

## **ABSTRACT OF THE DISCLOSURE**

An organism cell auto-handling apparatus includes a platform, an organelle observation microscope unit, a piping device and a system controller. An organism cell  
5 auto-handling method using the aforesaid apparatus includes the steps of putting an organism cell sample on the platform, then using the organelle observation microscope unit to position a specific organelle of said organism cell sample and produce a corresponding coordinate data to the system controller, and then processing an organelle draw/injection action to the specific organelle by a micro needle of the piping  
10 device that is controlled by the system controller.